

## CLAIMS

- 1) An apparatus having a coaxial signal contact and ground contact, for mating to a planar device having a ground surface and a signal surface, comprising:
  - a) a coaxial connector body;
  - b) said signal contact disposed central to the coaxial connector body;
  - c) said ground contact attached to the coaxial connector body, said ground contact comprising a main body and at least one resilient contact member;
  - d) said at least one resilient contact member extending substantially radially from said main body; and
  - e) said at least one resilient contact member comprising a tip adapted to make contact with said ground surface of said planar device.
- 2) The apparatus of claim 1 wherein said apparatus is disposed within an insulating housing such that the entire apparatus is spring loaded within an insulating housing.
- 3) The apparatus of claim 1 wherein said apparatus is disposed within a conductive housing such that the entire apparatus is spring loaded within a conductive housing.
- 4) The apparatus of claim 1 wherein said ground contact device is disposable and replaceable.
- 5) The apparatus of claim 1 wherein said ground contact device is fixed to said coaxial connector body.
- 6) The apparatus of claim 1 wherein said signal contact is fixed within said coaxial connector body.
- 7) The apparatus of claim 1 wherein said signal contact is spring-loaded within said coaxial connector body.